

10/509096

DT09 Rec'd PCT/PTO 27 SEP 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Chise MUKAIDANI et al. : Mail Stop: PCT  
Serial No. NEW : Attorney Docket No. 2004\_1543A  
Filed September 27, 2004 :

ANTIBODY RECOGNIZING PROLIFERATIVE  
HUMAN HEPATOCYTES, PROLIFERATIVE  
HUMAN HEPATOCYTES AND FUNCTIONAL  
HUMAN HEPATOCYTES

[Corresponding to PCT/JP03/03624  
Filed March 25, 2003]

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☐ each U.S. Patent and U.S. Patent application publication (*for U.S. National applications filed after June 30, 2003 and International applications that have entered U.S. National Stage after June 30, 2003*),
- ☒ each reference previously cited in the international application PCT/JP03/03624; and/or
- ☐ each reference previously cited in prior parent application Serial No. \_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

ATTACHMENT C

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within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification

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after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
  
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
  - a. ☐ a full or partial English language translation submitted herewith,
  - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☐ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
  
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Chise MUKAIDANI et al.

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 September 27, 2004

FORM PTO 1449 (modified)

ATTY DOCKET NO.  
2004\_1543ASERIAL NO.  
NEW

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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: September 27, 2004

APPLICANT  
Chise MUKAIDANI et al.FILING DATE  
September 27, 2004

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	00/03001	1/2000	WO			
	AK	00/43498	7/2000	WO			
	AL	61-189299	8/1986	JP			
	AM	682106	5/1996	EP			
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	R. Jover et al., "Cytochrome P450 regulation by hepatocyte nuclear factor 4 in human hepatocytes: a study using adenovirus-mediated antisense targeting", Hepatology, Vol. 33, No. 3, pp. 668-675, 2001.
AP	D. Stroup et al., "HNF4 and COUP-TFII interact to modulate transcription of the cholesterol 7 alpha-hydroxylase gene (CYP7A1)", J. Lipid Res., Vol. 41, No. 1, pp. 1-11, 2000.
AQ	S. Harish et al., "Transcriptional activation by hepatocyte nuclear factor-4 in a cell-free system derived from rat liver nucleic", Nucleic Acids Res., Vol. 29, No. 5, pp.1047-1053, 2001.

EXAMINER

DATE CONSIDERED